

FOR OFFICIAL USE ONLY

CLASSIFICATION RESTRICTED *Unclassified - 30.1*
 SECURITY INFORMATION
 CENTRAL INTELLIGENCE AGENCY
 INFORMATION FROM
 FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

COUNTRY USSR

DATE OF
INFORMATION 1949

SUBJECT Scientific - Electricity, new books

DATE DIST. 31 Oct 1952

HOW
PUBLISHED Monthly periodical

NO. OF PAGES 2

WHERE
PUBLISHED MoscowDATE
PUBLISHED May 1950

LANGUAGE Russian

SUPPLEMENT TO
REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE
 OF THE UNITED STATES WITHIN THE MEANINGS OF ESPIONAGE ACT 50
 U. S. C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION
 OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PRO-
 HIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

SOURCE Promyshlennaya Energetika, No 5, 1950, p 16.

SOVIET BOOKS AND ARTICLES ON INDUSTRIAL POWER,
ANNOUNCED MAY 1950

A. Books and Pamphlets

1. "Handbook for Thermal Engineers of Electric Power Stations" (Spravochnik dlya teploekhnikov elektrostantsiy), A. M. Komarov, V. V. Lukitskiy, Gosenergoizdat, 2d edition, revised, Moscow and Leningrad, 1949, 300 pp with diagrams and tables, 15,000 copies, bound, 30 rubles.

Contains fundamental data on boiler and turbine installations and on the whole thermal installation of a power station. Intended for station engineers, designers, and industrial engineers working with power equipment.

2. "Aid to Industry. Annotations on Scientific Research Work in 1948, No 1" (V pomoshch' promyshlennosti. Annotatsii nauchno-issledovatel'skikh rabot, 1948, vyp. 1), Moscow Power Engineering Institute ieni Molotov, 1949, 111 pp with illust, 500 copies, (price not stated).

Information about all scientific research work done by the institute in 1948 on various problems connected with industrial power.

3. "Testing Electric Machines, Part I. General Section and Testing DC Machines" (Ispytaniye elektricheskikh mashin, ch. 1. Obshchaya chast' i ispytaniye mashin postoyannogo toka), L. M. Piotrovskiy, Ye. A. Pal', Gosenergoizdat, Moscow and Leningrad, 1949, 380 pp with illust, 7,000 copies, bound, 14 rubles.

Gives detailed account of methods of testing dc machines, both generators and motors; discusses various kinds of tests and the purposes of such tests.

- 1 -

FOR OFFICIAL USE ONLY

STATE		CLASSIFICATION		DISTRIBUTION							
ARMY	<input checked="" type="checkbox"/> NAVY	<input checked="" type="checkbox"/> NSRB	<input checked="" type="checkbox"/> FBI								
	<input checked="" type="checkbox"/> AIR										

STAT

4. "The Peat-Enterprise Electrician" (Elektrik torfopredpriyatiya), B. I. Rosenberg, Gosenergoizdat, Moscow and Leningrad, 1949, 176 pp with illust, 4,500 copies, bound, 13 rubles 50 kopeks.

Describes the electric equipment of peat enterprises, methods of assembling, dismantling and servicing, and safety techniques. Intended as a practical handbook and advanced training course for electricians in peat enterprises.

5. "Collection of Prize-Winning Suggestions in the 1947 All-Union Competition for Methods of Economizing Electric and Thermal Energy" (Sbornik predlozheniy, premirovannykh na Vsesoyuznom konkurse 1947 po ekonomii elektricheskoy i teplovy energii), Gosenergoizdat, Moscow and Leningrad, 1949, 288 pp with illust and diagram, 5,300 copies. Gratis.

Describes 75 innovations under the headings: I. Furnaces for steel smelting and thermal ore processing; II. Electric resistance furnaces; III. Electrolysis; IV. Induction heating; V. Electric welding; VI. New or improved electric installations; VII. Metalworking; VIII. Casting and thermal processing of metals; IX. Utilization of waste heat; X. Compressed air and compressors; XI. Blast apparatus; XII. Hydromechanization; XIII. Petroleum extraction and refining; XIV. Textile production; XV. Milling; XVI. Production of chemicals and paper; XVII. Resin production; XVIII. Automatic controls; XIX. Miscellaneous.

B. Articles in Journals

1. "Electrical Equipment Repair in Plants," M. Yevstratov, Molochnaya promyshlennost', No 12, 1949, pp 41-43.

A number of practical instructions on major repair and daily maintenance of electrical equipment.

2. "Methods of Economizing Electric Power in Meat Combines," M. Yevstratov, V. Yakovlev, Myasnaya industriya SSSR, No 6, 1949, pp 47-51.

Causes of great electric power consumption in cold storage plants. Economical methods of operating cold storage plants.

3. "The Results of Industrial Use of Atmospheric Electricity and Its Prospects," A. S. Putilin, Uchenyye zapiski Kishinevskogo gos. universiteta, Vol I, No 2, 1949, pp 27-36.

A survey, with an extensive bibliography, of domestic literature.

4. "Combined Utilization of Waste Gases for Power and Technological Purposes by the ENIN (Power Engineering Institute) Method as Applied to Smelting Nonferrous Metal in Reverberatory Furnaces" (Kombinirovannoye energotekhnologicheskoye ispol'zovaniye otkhodyashchikh gazov po skheme ENIN primenitel'no k otrazhatel'noy plavke tsvetnykh metallov), N. A. Semenenko, Izvestiya Akademii Nauk SSSR, Otdel Tekh Nauk, Sciences, No 11, 1949, pp 1607-1619.

Modern power characteristics of reverberatory smelting. Susceptibility of heating gases to contamination and protection of heat-consuming elements from slagging. Air preheating in reverberatory nonferrous metal smelting. An efficient system of using heat for power and technological purposes in reverberatory smelting.

- E N D -

- 2 -